GOVERNMENT OF INDIA
ENVIRONMENT, FORESTS AND CLIMATE CHANGE
LOK SABHA

UNSTARRED QUESTION NO:347
ANSWERED ON:26.04.2016
Use of Hydrogen Fuel
Misra Shri Ajay (Teni)

Will the Minister of ENVIRONMENT, FORESTS AND CLIMATE CHANGE be pleased to state:

(a) whether the Government is considering any scheme for using hydrogen as fuel in cars and generator sets to reduce pollution;
(b) if so, the details thereof;
(c) whether the use of hydrogen as fuel has no adverse impact on the efficiency of equipment;
(d) if so, whether the Government proposes to allow use of hydrogen as commercial fuel very soon; and
(e) if so, the time by which the permission is likely to be granted ?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE

(SHRI PRAKASH JAVADEKAR)

(a) & (b) Ministry of New and Renewable Energy (MNRE) has informed that there is no proposal under consideration of the Government for using hydrogen as fuel in cars and generator sets. However, prototypes of hydrogen fuelled motorcycle, three-wheeler, mini bus and generator set have been developed under the broad based Research Development and Demonstration (RD&D) Programme of the MNRE and two hydrogen fuelled mini buses are proposed for field trials. Presently, Tata Motors Limited is in the process of developing ten fuel cell buses for demonstration.

(c) There is no adverse impact of hydrogen fuel on the efficiency of internal combustion engines. Fuel cells used in the vehicles and for stationary power generation generally have higher efficiencies compared to internal combustion engine vehicles and engine-generator sets.

(d) There is no immediate proposal for use of hydrogen as a commercial fuel.

(e) Does not arise.

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